



Volume 22

An ARCEC Monthly Publication

March 2013

Issue 3

Counterpoise Editor - Joe Bennett W6VMX

HRO Swap Meet - Sales & Comradery amongst HAMS



March 9th was the day the HRO swap meet was recently held. The above photo is of the parking lot on a typical day. The swap meet took place in this lot, which was populated with just over two dozen seller stalls that had many treasures to be found. The ARCEC had one of the stalls, and

several club members were in attendance to help promote the club and our March meeting presentation of "Contesting 101". Jack (N6FUG) and Joe (W6VMX) arrived VERY early to claim a spot and set up the pop-up, table, and various flyers, tri-folds and more. Pat (WA6MHZ) was also there very early too, and was able to make a number of great purchases during the day. Paul (KJ6BYF) arrived to help out well before the opening time of 0800, and Dave (KI6GRN) also spend the day meeting and greeting some of the several hundred Hams that attended too. I talked to Joe and Jerry from HRO during the swap meet, and they both expressed their pleasure at the great attendance and overall co-operation from both the sellers and the buyers during the event. There were many Hams attending from long distances, and those that stopped by our booth were all greeted and given our tri-fold as well as a copy of the one time issue of the Counterpoise promoting our upcoming March meeting. The swap meet continued until just after 1300, when people began packing up. Overall, it was a great day at HRO (but what day isn't, right?), and it looks like we might be able to do this again next year with any luck. I know I'll be there!!

Joe W6VMX - Counterpoise Editor

ARCEC Repeater Frequencies

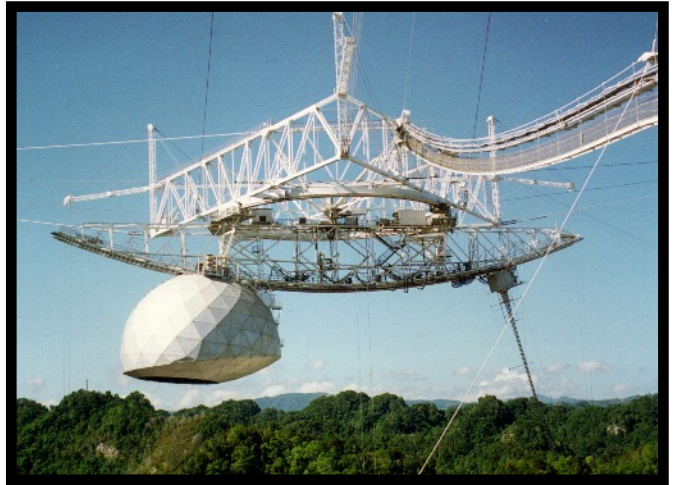
2 Meter Repeater	220 MHZ Repeater	440 MHZ Repeater
TX 146.475	TX 220..480	TX 440.900
RX 147.420	RX 224.080	RX 445.900
Offset .945	Offset 1.6	Offset 5.00
PL 107.2	PL 107.2	PL 107.2



Mystery of the Masthead for February

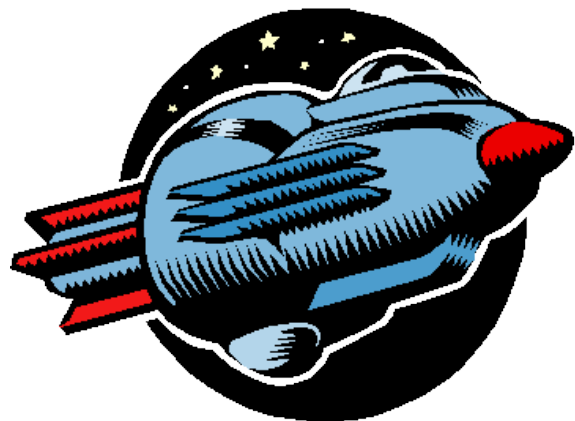
By Joe -W6VMX - Counterpoise Editor

Yes, it is a photo of the Radio Astronomy Telescope at Arecebo, Puerto Rico. One of the great assets to the study of deep space radio signals. Originally conceived in the early 60's,



The Arecibo Message

As sent to the stars



it is 1000' in diameter and covers an area of 18 acres. More information and details can be found at the Arecibo web site, so take some time to visit it by just clicking [HERE](#).

Now, see if you can figure out where this months Masthead was taken, and what it has to do with Amateur Radio. Please feel free to send me your comments at www.counterpoise@wa6bgs.us. Thanks all....



Secretary's Ramblings

By Paul Thompson – KJ6BYF

Monthly Disclaimer: This is a recap of the activities of the Amateur Radio Club of El Cajon. I will be reporting the highlights of the General Meeting and the Board of Directors meeting. Please note that this column is not the official minutes of any meeting. I might even throw in a few of my own editorial comments here and there. When I do that I will let you know that they are my comments and only my comments! OK! Here we go...

March Highlights:

The program at the March meeting was a special presentation of Contesting 101 by Dennis (N6KI) and John (K6AM). It was really good. They showed the club the various methods used when contesting and lots of hints and tricks.

Start My Comments:

As I said last month: Field Day is sneaking up on us! Now is the time to start planning and getting ready for Field Day. Last year was not bad, but we needed more operators for the night shift! I urge you to start thinking about how you, as a member of ARCEC, can contribute to this year's Field Day. The more members participating, the easier it will be to have a successful Field Day. The 2013 Field Day will be held at Santee lakes, in the same area as last year.

I was pleased to note how many people attended the March meeting. We almost had more visitors than members attending. We need to keep up the attendance at the monthly meeting. We also need to make a real effort to get inactive members active.

It has been almost 3 years since the "great schism". We have made a lot of progress since that event. It's water under the bridge. It's time to get involved in the club. If you don't like what is happening, get involved and change it! When nomination and voting time comes around nominate more than one person for the officer positions. Instead of 4 or 5 board nominations, let's shoot for twelve! That's 2 per board position. Then get out the vote! You CAN make a difference.

End My Comments.

Busted QSO's:

No one's yelling yet! It seems my record is intact. I welcome any suggestions that will help make this column better. Please email them to secretary@wa6bgs.us.

Until next time...



Amateur Radio Club of El Cajon Club Nets

Day	Time	Name	Description	Net Control	Repeater
Sunday					
Monday	7:00 pm	Donut Net	Trivia & general interest questions	KI6RRN Axel	ARCEC
Tuesday	8:00 pm	Wide Open Net	Almost anything goes with Frito	N6WKB Frito	ARCEC
Wednesday	8:00 pm	WAMO Net	WAMO contacts, roundtable, buy-sell, swap, 73 round	KI6LAT Quinn	ARCEC
Thursday	7:00 pm	Fritos 10 Meter Net	Starts on 10M and moves to 2M	N6WKB Frito	ARCEC
Friday					
Saturday	8:00 pm	WAMO Net	Roundtable, sell-buy-swap, club news, 73 round	KJ6BFT Margaret KJ6GOO Heather	ARCEC

Work All Members Once



WA6BGS web site - interesting happenings

We've added a new page to the Counterpoise that hopefully will make it a bit easier to find not only the latest issue but those that have been archived as well. Just visit [page #5](#) in this issue and check out how easy it is to find online now.

Also, check out the "Slider" on the home page to see news updates and timely information. Remember that you can click on the pictures to read more about that topic, or use the "Dots" below to recall any of the pictures/topics again. Super easy to do, and very helpful too.

Field Day is fast approaching so get online and find out the most current information and up to date news regarding the clubs plans.

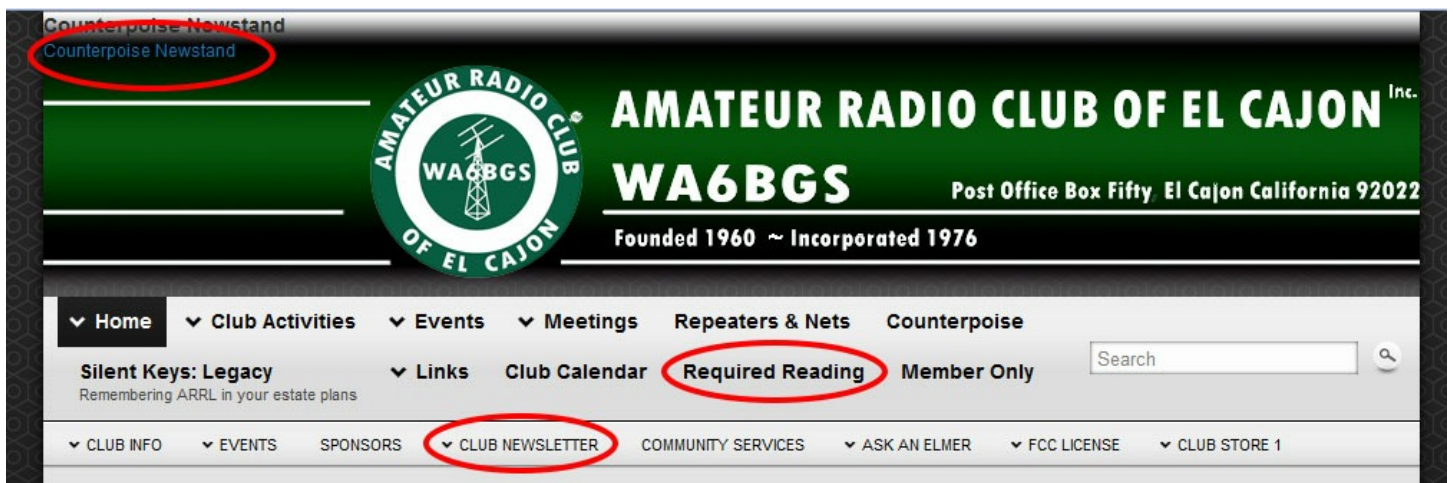
See you there!

All this and more at www.wa6bgs.us TODAY!!!!

Finding the Counterpoise on the WA6BGS Web Site

Wondering where exactly to find the Counterpoise when you are visiting the club web site? Well here is the definitive instructions on doing just that. Just follow this information and you should have no problem in locating the latest issue as well as older ones too.

1. Look in the upper left corner of the main page and you will find a link to the Dropbox that the newsletters are stored in. Just click on the link and then select the one you want to either read or download. To download it, just click on the “Download” choice. That’s it!



2. You can also locate the Counterpoise by choosing the “Required reading” selection on the home page. Just click on it and it will take you to a page with a number of files that you can view, including the Counterpoise. Select the one you want to view and that’s it too!
3. You can also select the “Club Newsletter” tab, and that will drop down three choices for you. Select the second choice, “Counterpoise” and it will take you to the available newsletters. Currently those from 2012 and 2013 are there for you to view.

You can also click on the image above to go to the locations on the web site that has the Counterpoise stored in them. Try it out and see. Just mouse over the red circled locations and click your left button.

Many thanks to Joseph (KI6TTF) for providing the web site picture and the idea for these instructions. Hope they help you locate your own copies of the Counterpoise.

73 - Joe (W6VMX)

A Few Recent Photos



Old Counterpoise Newsletters, tech manuals, and club records given by Bob Smith (WB6ODR) to Joe (W6VMX) & Jack (N6FUG) at Yumafest 2013.



Early morning pre-setup at HRO swap meet.



Good turnout at the March ARCEC meeting.



Joe (W6VMX) & Paul (KJ6BYF) manning the booth at the HRO swap meet.



Contesting 101 Dennis Vernacchia (N6KI) and John Barcroft (K6AM)

A Few More Recent Photos



Break time at the March 2013 ARCEC meeting.



Nice antennas in Escondido



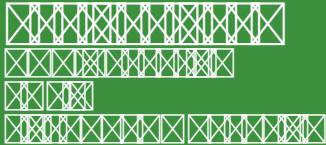
Larger view of Escondido antenna arrays. Know who operates it? Send info to the Counterpoise.



Jack (N6FUG) at HRO swap meet.



Counterpoise Editor contact info QR code.



Saturday June 22, 23 2013

Schedule of Events

Friday June 21 Setup starts at 11 am.

Contact FieldDay@wa6bgs.us or call 619 663-6011 to see how you can help.

Saturday June 22

11:00 am Transmissions begin

12:00 pm Lunch for participants

3:00 pm Ice cream break

5:00 pm Dinner Break



Field Day 2013



Free Parking

Saturday June 22, 23

Field Day 2013

ARRL Field Day is the single most popular on-the-air event held annually in the US and Canada. Each year over 35,000 amateurs gather with their clubs and friends to operate. For many clubs, ARRL Field Day is one of the highlights of their annual calendar.



Phone: 619 663-6011
FieldDay@WA6BGS.US
 Club Call Sign:
 WA6BGS
www.WA6BGS.US

Open to the Public

Date: June 22-23,

2013. 11 am Saturday to 11 am Sunday

Location Address: 9300 Fanita Parkway, Santee, CA 92071

On the air transmissions begin at 11 am or 1800 UTC Saturday and run through 11 am, 2059 UTC, Sunday.

FieldDay@WA6BGS.US

Sign up here to attend **Field Day 2013** by visiting the website of the Amateur Radio Club of El Cajon at www.WA6BGS.US.

[Sign up for Field Day News here](#) << Click

2 M Repeater

TX 146.475 MHz
 RX 147.420 MHz
 Offset .945 MHz
 PL 107.2



ARCEC Contact Information:

Web Site: www.wa6bgs.us

President: president@wa6bgs.us

Vice President: vicepresident@wa6bgs.us

Secretary: secretary@wa6bgs.us

Treasurer: treasurer@wa6bgs.us

Counterpoise: counterpoise@wa6bgs.us

Club Phone number is **619-663-6011**

Monthly Amateur Radio License Exam

1st Saturday of the Month Amateur Radio Club of El Cajon, Inc.

El Cajon First Lutheran Church, 867 South Lincoln, El Cajon, CA 92020 9 :00 AM
Contact Gereld N. Madsen - Jerry KI6PLH, (619) 766-9177 (walk-ins welcome).

How to find the exam site

From the West: Take I-8 East, Exit El Cajon Blvd/Chase Ave. At the end of the ramp, turn right onto Chase Avenue. Go about 1.5 miles to South Lincoln Avenue. Lincoln will be 1 block after Avocado Drive. Turn left on South Lincoln. We are 2 blocks up on the right.

From the East: Take I-8 West, Exit Mollison Avenue. Go South on Mollison about 2 miles to Washington. Turn right on Washington. Go 1 block and turn left on South Lincoln. We are 1 block up on the left.

Important!! Get your free FRN ID from the FCC

Be sure to visit the FCC web site and obtain your FRN identification prior to coming to take your exam. You will need it to show you have registered with the FCC, and so that we can send your exam results to them for processing and licensing.

Santee Swap Meet First Saturday of each month

Santee Electronics Swap Meet is the first Saturday of each month at Santee Drive-In east side of Highway 67, South of Riverford Rd. in Santee, CA Starting at 6:30 AM, talk-in 146.520, Buyers \$1.00 Find out more information at EL Cajon ARC website at www.WA6BGS.US. Club stall is open for buyers/sellers from 6:30 am until 9 am. Please feel free to bring your own Ham related items to sell at the Club stall. Just remember that you must stay with your items until they sell, or take them with you when you leave,. Many thanks to N6JOJ (Tom) for his fine work.

Notice of Disclaimer

All companies mentioned in the Counterpoise are done as a courtesy and a convenience to both the membership and the company. No compensation has been solicited and none has been accepted, and no endorsement has been made.

Joe - W6VMX - Counterpoise Editor

Letters from & to the Editor

On 2/25/2013 8:24 PM, Joe Bennett wrote:

Bob & Linda,

Was a pleasure meeting you at the Yuma Hamfest this year. Hope to see you at the next one too. I have attached the latest copy of the Counterpoise for you to read. Hope you enjoy it. Still going through all the bags of goodies you gave Jack (N6FUG) and me. Have a great time traveling. Later....

Joe - W6VMX - Counterpoise Editor - Amateur Radio Club of El Cajon

From Bob & Linda Wed Feb 27 08:24:30 2013

Thank you Joe for the copy of the Counterpoise NL and your kind words in the write up where you mentioned Linda and myself. As to the picture ID, that is a cubical quad and can be made for almost any frequency. I have made them for the low bands and 2 meters. In fact I had one that I made for 220MHz that I used on a teletype repeater for a while in San Diego. Anything over 20 meters in size gets a bit large and hard to handle.

73,

Bob Smith WB6ODR

=====

From Daniel Warner Sat Mar 2 14:59:26 2013

To:Counterpoise@wa6bgs.us, Joe Bennett, Dr@gmail.com

Sent to you for N7EN for submission

The Mask head is of Arecibo. Used by radio astronomers, and CETI. It has been used by hams for UHF, VHF in the past. My link bounced back



**5375 Kearny Villa Road #113
San Diego, CA 92123**

Store Hours:

10AM-5:30PM Mon - Sat

Telephone hours:

9:30AM-5:30PM Mon-Sat

March meeting presentation

On March 14th the presentation at the club meeting was "Contesting 101" by Dennis (N6KI) and John (K6AM). The presentation lasted about 1 ½ hours and covered all aspects of contesting for both the new and the more experienced Ham. The club hosted 18 visitors for this presentation in addition to the 20 or so ARCEC members in attendance. During the presentation there were a number of questions asked that were addressed by Dennis and John to the appreciation of the attentive audience. Many thanks go out from the ARCEC to Dennis and John for their very informative and educational presentation, and to their



continued success as they pursue their contesting and training of testers in the future. Listen for them on the air and join in their QSO's when you hear them. With luck, you might be able to work them

during a contest or two, but be fast because they are!!

=====

What's happening at the April meeting

ARCEC members are looking forward to yet another in a continuing series of entertaining and informative presentations at our monthly club meeting. The April 11th meeting will host Arnie Shatz (N6HC) who will cover all aspects



of the Swains Island DXpedition - 2012. Arnie is from the Santa Ana area and will be coming down especially for this presentation. You can read all about it (suggested) online at <http://www.nh8s.org> so you might have a little background info prior to the upcoming meeting. Meeting will start promptly at 7pm with the presentation leading off at that time. Free refreshments will be there too. Hope to see you all at the meeting, you will enjoy this one!

Important Technician Training/Exam Announcement!!!!

Saturday, 06 April, Point Loma Area One-Day Amateur Radio Technician License Class

The Amateur Radio Service (Ham Radio) has practical applications from providing emergency communications and supporting civic events, to education and recreation.

This is an entry-level class for beginners, and previous knowledge about radio or electricity is not required to take the class or pass the exam. (A few hours of study before class dramatically improves most people's ability to pass the exam.) Those who pass the end-of-the-day exam will receive a radio license and call sign from the FCC which entitles them to transmit on VHF and UHF Amateur Radio frequencies.

Date: Saturday, 06 April 2013

**Times: 8:30 AM (sharp) to about 7:00 PM for both the class and exam.
(This includes hourly breaks and a 45 minute lunch.)**

Location: Point Loma Area (details provided later)

Costs: There is no charge for the class.

The Examination immediately after class costs no more than \$15 (and often only \$5)

Eligibility: Anyone following email instructions to register and confirm is eligible.

Age limit: None (contact us for teen and pre-teen considerations)

Registration: Register Well In Advance! Seating is limited and classes usually fill early.

To request registration instructions, email to sandiegohamclasses@me.com using as the subject of this email "06-Apr Pt Loma Amateur Radio Technician Class". You will receive an email with instructions to complete the registration process and study materials to review before class.

You will need to reply to that email per the instructions. A prompt reply is to your advantage - seats are reserved in the order replies are received. (Those who do not follow instructions and complete registration via email are ineligible to attend the class.)

Reminders: There are only one or two - be sure to look for them.

Those registered will receive an email reminder about 14 days before class with location and what to bring. Those on the waiting list will receive an update about 10 days before class about whether space will be available.

Additional notes:

1. We must have a working email address for each prospective attendee. We can not accept "proxy" registrations for your friends or family without being in direct contact via email. However, you can begin registration for a family member by including their email address on the CC line when you request registration instructions.

2. If you are a member of a group that plans to have multiple people attend, please mention that group in your email.

See <http://sandiegohamclasses.com/> for more information.

j, af6gm, instructor (on behalf of the instructor team).

Amateur Radio Club of El Cajon, Inc.



Saturday June 15 2013

Schedule of Events

- 9:00 am Sign in
- 10:00 am Introduction to Radio
- 11:00 am Transmissions begin
- 12:00 pm Lunch for participants
- 1:00 pm Wooden keys
- 2:00 pm T Hunt Exercise
- 3:00 pm Ice cream break



Kids Day 2013



Saturday June 15

Kids Day 2013

ARRL Kids Day is an on-air event to encourage young people (licensed or not) to have fun with Amateur Radio. It is designed to give on-the-air experience to youngsters and hopefully foster interest in getting a license of their own. Kids Field Day is one week before the big nationwide Field Day.

Scout Merit Badge Training

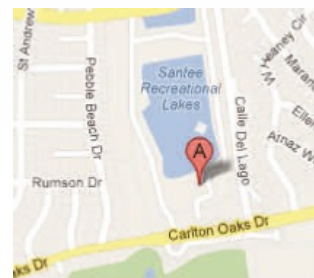
Date: June 15, 2013. 9 am to 4 pm

Location Address: 9300 Fanita Parkway, Santee, CA 92071

There will be presentations starting at 9 am for those wanting to learn about amateur radio.

On the air transmissions begin at 11 am or 1800 UTC Saturday and run through 11 am, 2059 UTC, Sunday. This venue closes at 4 pm.

Sign up here to attend **Kids Field Day 2012** by visiting the website of the Amateur Radio Club of El Cajon at www.WA6BGS.US.



Phone: 619 663-6011
 FieldDay@WA6BGS.US
 Club Call Sign: WA6BGS
www.WA6BGS.US

2 M Repeater

TX 146.475 MHz
 RX 147.420 MHz
 Offset .945 MHz
 PL 107.2



**Articles for Amateur Radio Newsletters aimed at new hams
written by Gerry Crenshaw, WD4BIS, Rowlett, Texas**

NHP #9: Why an Amateur Radio Operator is called a HAM

(This was previously published in the Amateur Radio Communicator MARCH/APRIL 1994)

Have you ever wondered why we radio amateurs are called "HAMS"? Well, according to the Northern Ohio Radio Society, it goes like this: the word ham was applied in 1908 and was the call letters of one of the first Amateur wireless stations operated by some members of the HARVARD RADIO CLUB. There were Albert S. Hyman, Bob Almy and Peggie Murray. At first, they called their station Hyman-Almy-Murry. Tapping out such a long name in code soon called for a revision and they changed it to HY-AL-MU, using the first two letters of each name. Early in 1909, some confusion resulted between signals from Amateur wireless HYALMU and a Mexican ship named HYALMO, so they decided to use only the first letter of each name and the call became HAM.

In the early pioneer unregulated days of radio, Amateur operators picked their own frequency and call letters. Then, as now, some Amateurs had better signals than some commercial stations. The resulting interference finally came to the attention of congressional committees in Washington and they gave much time to proposed legislation designed to critically limit Amateur activity.

In 1911, Albert Hyman chose the controversial Wireless Regulation Bill as the topic for his thesis at Harvard. His instructor insisted that a copy be sent to Senator David I. Walsh, a member of one of the committees hearing the bill. The Senator was so impressed, he sent for Hyman to appear before the committee. He was put on the stand and described how the little Amateur station was built. He almost cried when he told the crowded committee room that if the bill went through, they would have to close up the station because they could not afford the license fees and all the other requirements that were set up in the bill.

The debate started and the little station HAM became a symbol of all the little Amateur stations in the country crying out to be saved from menace and greed of the big commercial stations who did not want them around. Finally, the bill got to the floor of Congress and every speaker talked about the poor little station "HAM."

Continued on next page

Continued from last page

That's how it all started. You will find the whole story in the Congressional Record. Nationwide publicity associated station HAM with Amateurs. From that day to this, and probably to the end of time, in radio, an Amateur is a HAM.

GL and 73's de Gerry WD4BIS

Copyright 2005 Gerald Crenshaw WD4BIS. All rights are reserved.



Permission in advance is granted to those who use this for non-profit Amateur Radio club newsletters as long as it is used unmodified including this copyright notice and that notice is given to the author via email (wd4bis@arrl.net). In addition, please forward a copy of any newsletter this appears in to: Gerry Crenshaw WD4BIS, c/o GARC, 1027B W. Austin St, Garland, TX, 75040

This article is the third in a series to be included in the Counterpoise as an informational service to our readers, and is used with the approval and kind permission of the author, Gerald Crenshaw WD4BIS. Look for another next month, and please feel free to send comments to the author or to the Editor of the Counterpoise. (See below QR code to send an email to the Counterpoise).

Gerald Crenshaw Email - wd4bis@arrl.net

Counterpoise Editor Email - counterpoise@wa6bgs.us



QR codes in the Counterpoise

As you may have seen, there are QR codes located in various locations in the Counterpoise. Using these, you can send emails, visit web locations, and a number of other things by just scanning them into your Smart phone. The one to the left will take you to the February issue of the Counterpoise located in the Dropbox location. Look for more QR codes to come.

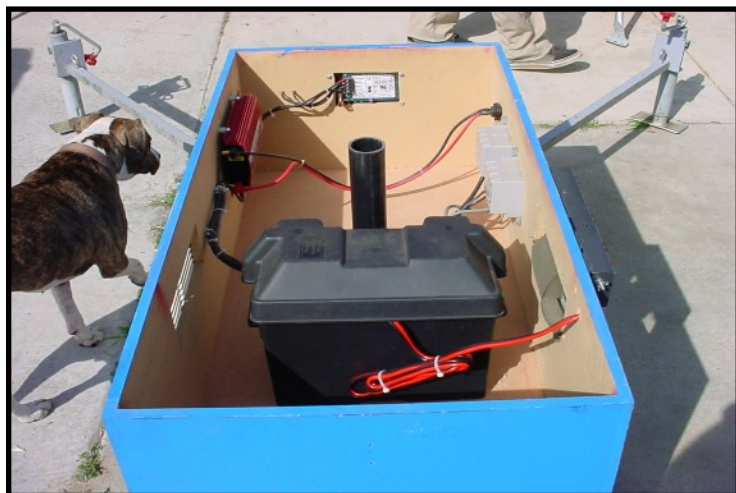
“The Cart”

by
Joe - W6VMX



”The Cart” was originally built as a Pole Mounted Camera support cart. I used it quite a bit to take photos of peoples houses, golf courses, and many other subjects. The photo to the left is of the early construction phase where the base cart was being modified to accept outriggers to help steady the cart when the 45’ WonderPole was in place. Lots of work went into designing and building the cart to do the job it was

intended to do. It did it well. It was able to supply 12VDC power to operate various support components, as well as 120VAC through a 750 WATT inverter for other requirements while in the field. DC was stored in a 125ah Deep Discharge wet cell that weighed in at about 60 lbs. It could be field charged by hooking up a solar panel array through the built in solar controller, or via a small AC charger while in the shop. There were switched outlets to provide the 110VAC as well as various DC connections too.



After I became a HAM, I thought about how I might be able to use the cart to operate a portable radio in the field. The pole would allow me to place a nice antenna about 40 feet into the air, and the power from the cart would provide quite a bit of time on the air if used properly. So I began the process of modifying it all to become “The Cart”. I am currently using a Diamond x50a dual band antenna on 2 meters and 75 centimeters. From Imperial Beach, I can hit the ARCEC repeaters with full quieting

Continued on next page

Publication Policy of the Counterpoise Newsletter

The Counterpoise is a publication of the “Amateur Radio Club of El Cajon, Inc.” for the education and enjoyment of the HAM community. HAM related articles of a non political nature from outside of the ARCEC may be submitted to the editor for publication. The ARCEC Board of Directors has final approval of all content.

Approved for publication by the ARCEC Board of Directors.

Continued from last page

and great modulation with my Wouxum HT. I have a 50' length of coax attached to the antenna which should allow me to get away from the cart and under my pop-up where I plan on setting up a folding table and several chairs to operate from. Power from the cart



will also provide lighting for night operations from either two small CF lights, or better yet, several soon to be constructed LED lighting modules. I am looking for approximately 24 to 48 hours of operation without a charge on the battery, but have not had a chance to test duration so far. That will come soon as I plan on setting up a couple of field trials in the not to distant future. I will be working 2 meters and doing some DX on that bands simplex frequencies. For field day in June, I may set up my Icom Ic-7000

for use with the cart, and maybe see about using a Solarcon A-99 vertical on 10 through 20 meters. I have had good luck tuning one up with my LDG IT-100 auto tuner which is designed to be used with the 7000. I could even set up my spare G5RV-JR dipole and maybe work some great DX too. Will all have to depend on the success of any field testing



that I can accomplish. I do want to take the system out to a good remote location and see what can be done with it. With luck, I will try to let it be known prior to doing it, either here in the Counterpoise, or via the various weekly nets on the club repeaters. At any rate, keep your ears tuned for me and hope to hear you out there soon.

73 - Joe (W6VMX)

What is a QR code?

by
Joe (W6VMX)

QR stands for “Quick Response”, and is a two dimensional or Matrix type of code capable of storing information that can be scanned by most Android or iPhone Smart Phones once the appropriate Application is installed. They can be used for many things from simple product identification to much more complex product lookup and even online price lookup. You can also be directed right to a web site location, or to a specific email address. Some QR codes can contain upwards of 1800 and more characters that can be used for product information, or even short descriptive text. Originally developed in Japan for use in the automotive industry, the QR codes have become increasingly popular for many other uses beyond its first debut. Look



for the Counterpoise to use them for many things too. Soon I hope to make all of the previous issues of the Counterpoise available by simply scanning a QR code and you will be taken directly to that file for viewing. Try out the codes included in this issue and be sure to let me know what you think of their use, just send me an email with your thoughts to counterpoise@wa6bgs.us or scan the QR code on the left. Thanks & 73.



Willy's Electronic Supply - National City
1636 D Avenue
National City, CA 91950
Ph: 619-477-2119 / FAX 619-477-2789
Monday - Friday 8:00AM - 6:00PM, PST

Willy's Electronic Supply - San Diego
4925 Mercury St
San Diego, CA 92111
Ph: 858-279-5800 FAX 858-279-5850
Monday - Friday 8:00AM - 5:00PM, PST



**California Electronics & Industrial
Supply**
221 N Johnson Ave
El Cajon, CA 92020

Hours:
Mon-Fri 9 am - 6 pm
Sat 9 am - 5 pm
Sun 12 pm - 4 pm

Counterpoise Submissions Requested

The Counterpoise is always looking for story ideas and submissions, pictures, and upcoming news articles. You can submit by sending your content to counterpoise@wa6bgs.us in WORD or PDF format. Photos can be sent in JPG, GIF, or most any other popular formats as well. You can also use the convenient form available on the club web site at www.wa6bgs.us too. Deadline is typically 7 days after the General Membership meeting, usually held on the second Thursday of each month. All members are urged to help out the Counterpoise and keep it active and entertaining. Hope to see your submissions soon!!



Joe - W6VMX - Counterpoise Editor

MURPHYS SURPLUS WAREHOUSE

LOCATED AT 401 N. JOHNSON AVE:

EL CAJON, CA. 92020

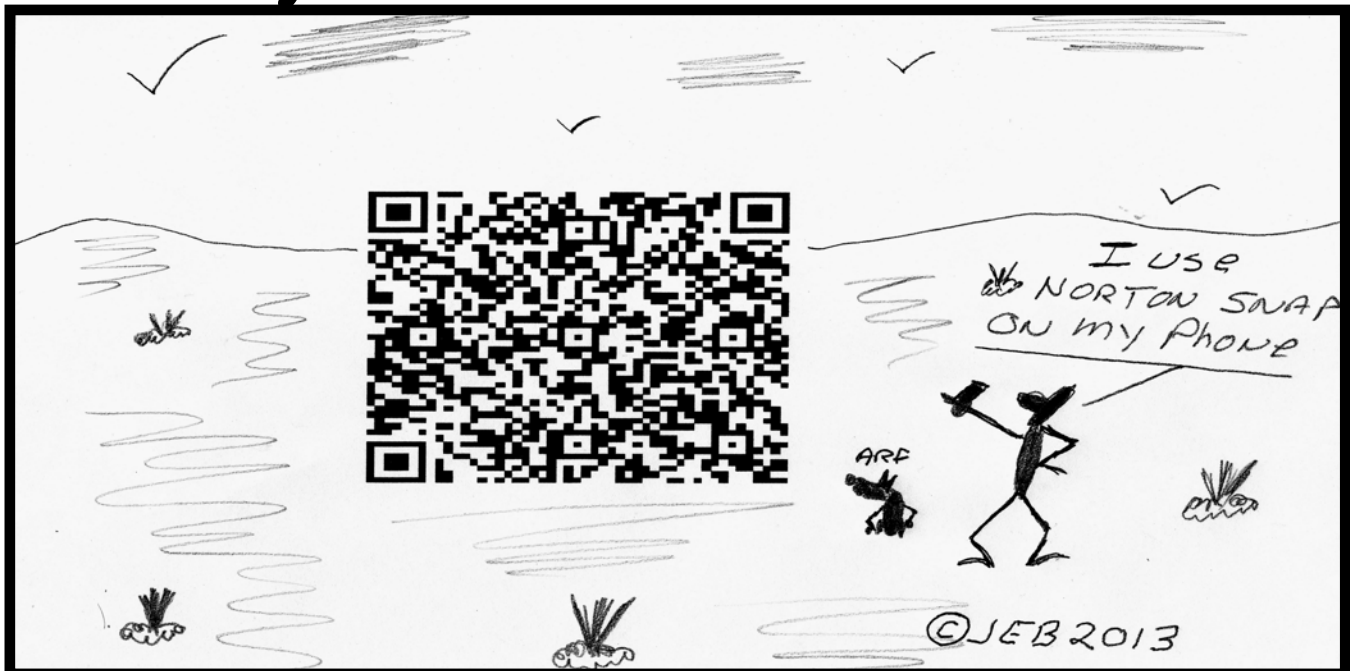
(NEAR SAN DIEGO) 619 444 7717

FAX 444 6750 EMAIL murphy@cts.com

HOURS MONDAY THRU SATURDAY

9 AM TO 5

Harvey Hairbuckle-Ham Extroidinaire





The **AMATEUR RADIO CLUB OF EL CAJON**^{Inc.}

WA6BGS

Post Office Box Fifty, El Cajon California 92022

Founded 1960 ~ Incorporated 1976

Please fill out this form and see the options at the bottom for Submitting options

Date of Application: _____

Amount Paid: \$ _____ ☐ Cash or ☐ Check Check #: _____

Membership Type: ☐ Individual (\$20) ☐ Family (\$35)
 Membership Status: ☐ New ☐ Renewal ☐ Returning Member
 Call Sign: First Name: Last Name: WAMO # (If renewing or returning):

ARRL Member: ☐ Yes ☐ No
 License Class: ☐ Technician ☐ General ☐ Extra ☐ Other:
 Address: City: State: Zip: PO Box:

Email ID: Phone: _____

Would you like a member badge? ☐ Yes ☐ No

Add Additional Members Here (Family Package):

First Name	Last Name	Call Sign	License Class	Wamo #	Badge
					<input type="radio"/>
					<input type="radio"/>
					<input type="radio"/>
					<input type="radio"/>
					<input type="radio"/>

Submitting This Form

To submit this form mail it to P.O. Box 50 El Cajon, 92022

-OR-

Bring to the next club meeting or go to www.wa6bgs.us and join on line (click on Club info / Join)

Cash Payments - Get a Receipt from the Club Treasurer. Make all checks payable to AMATEUR RADIO CLUB of EL CAJON, Incorporated. Receipts for payments by check will be sent by email or regular mail by the Club Treasurer.

Members with FCC Call Signs are Full Members with voting privileges, Members without FCC Call Signs are Associate members without voting privileges

YOUR DUES ARE TAX DEDUCTABLE: Amateur Radio Club of El Cajon, Inc. is a 501(c)(7) Corporation. Donations are NOT tax Deductable.